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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy	DATE: February 2011
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				PE 0604366N: <i>Standard Missile Improvements</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	150.076	96.186	46.705	-	46.705	21.406	6.430	4.213	4.394	Continuing	Continuing
0439: <i>Standard Missile Improvement</i>	28.908	26.054	17.348	-	17.348	4.155	0.250	0.253	0.248	Continuing	Continuing
3092: <i>Standard Missile 6 Program</i>	120.371	70.132	29.357	-	29.357	17.251	6.180	3.960	4.146	Continuing	Continuing
9999: <i>Congressional Adds</i>	0.797	-	-	-	-	-	-	-	-	0.000	0.797

A. Mission Description and Budget Item Justification

Standard Missile (SM) is the Navy's premier Anti-Air Warfare (AAW) missile, providing both area air defense for the fleet and self defense for individual AEGIS CGs and DDGs, as required by the Joint Theater Air Missile Defense (TAMD), Mission Need Statement (MNS), Defense Planning Guidance (DPG), Quadrennial Defense Review (QDR), and Ship Class AAW Self Defense Capstone Requirements Document. Agility, fuzing, and computer modifications to SM are in development to restore performance in the near term against a specific existing proliferating Anti-Ship Cruise Missile (ASCM) threat. Continuous analysis of missile capabilities vs. ever-evolving and proliferating aircraft and ASCM threats and long-range planning are required to keep pace with the threat.

In FY04 the STANDARD Missile 6 (SM-6) program was started to develop an advanced surface missile system with an active seeker and an extended range. The SM-6 missile system will leverage the Navy investment in the AEGIS Weapon System (AWS), Cooperative Engagement Capability (CEC), and airborne early warning systems, which will be upgraded in concert with missile development to support a fully integrated extended range detect-to-engage naval and joint integrated fire control capability. SM-6 is the enabler for Integrated Fire Control (IFC). Funding to support those upgrades are also included in this line. SM-6 has completed the ground based test program and has commenced the at-sea DT/OT flight test phase of the System Development & Demonstration (SD&D) effort. Together, this family of systems will provide the air superiority and the umbrella of protection against the full spectrum of projected future cruise missile (anti-ship and land attack) and manned aircraft threats discussed in the Joint TAMD MNS, DPG, QDR, IAMD Roadmap, IAMD Joint Integrating Concept, AIAMD Joint Operating Concept and TAMD Capstone Requirements Document.

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B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	167.200	96.186	57.474	-	57.474
Current President's Budget	150.076	96.186	46.705	-	46.705
Total Adjustments	-17.124	-	-10.769	-	-10.769
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-10.876	-			
• SBIR/STTR Transfer	-5.815	-			
• Program Adjustments	-	-	-10.426	-	-10.426
• Section 219 Reprogramming	-0.390	-	-	-	-
• Rate/Misc Adjustments	-	-	-0.343	-	-0.343
• Congressional General Reductions	-0.043	-	-	-	-
Adjustments					

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

Congressional Add: *Automated Missile Tracking*

Congressional Add Subtotals for Project: 9999

Congressional Add Totals for all Projects

FY 2010	FY 2011
0.797	-
0.797	-
0.797	-

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>				PROJECT 0439: <i>Standard Missile Improvement</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
0439: <i>Standard Missile Improvement</i>	28.908	26.054	17.348	-	17.348	4.155	0.250	0.253	0.248	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification Modifications to SM-2 BLK IIIB are required for use on DDG-1000 class destroyers. The Joint Universal Waveform Link (JUWL) will be integrated with ESSM and Standard Missile to communicate with the DDG-1000 SPY-3 radar. SM-2 missile software will be updated with interrupted continuous wave illumination (ICWI) in order to allow operation with DDG-1000.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Standard Missile Improvement								28.908	26.054	17.348	
Articles:								0	0	0	
Description: DDG-1000 Pre Plan Product Improvement (P3I)Link Integration/Interrupted Continuous Wave Illuminator (ICWI)											
FY 2010 Accomplishments: ESSM conducted Preliminary Design Review (PDR), assembled Proof of Design (POD) assets, and conducted Design Verification Testing (DVT). SM-2 conducted System Requirements Review and System Functional Review, and began design development. ICWI development delayed 16 months as a result of FY10 reduction.											
FY 2011 Plans: ESSM conducts Critical Design Review (CDR), orders and assembles Production Representative Model (PRM) assets, and conducts qualification testing. SM-2 conducts PDR for JUWL only and orders POD hardware.											
FY 2012 Plans: ESSM completes qualification testing and Test Readiness Review, and completes the Inert Operational Missile (IOM) to aid in ship-to-missile integration. SM-2 conducts DVT on POD hardware, conducts PDR for ICWI, conducts CDR for JUWL only, and orders PRMs.											
Accomplishments/Planned Programs Subtotals								28.908	26.054	17.348	

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
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C. Other Program Funding Summary (\$ in Millions) N/A		
D. Acquisition Strategy Development is expected to conclude by FY16 for the X-band JUWL and ICWI. Production representative missiles will be built between FY11 and FY13 for 59 ESSM missiles and 26 SM missiles required to support Developmental Test & Operational Test (DT & OT) in FY13 through FY15 and continue follow-on ship integration and design update effort in FY16.		
E. Performance Metrics <ul style="list-style-type: none"> - ESSM initial engineering design for X-Band JUWL capability was completed and Engineering Development Models (EDMs) were built and tested. - ESSM successfully completed its Preliminary Design Review in October 2009. - ESSM will order material/parts and assemble Proof of Design units to conduct design verification tests. - ESSM will conduct its Critical Design Review in third Quarter FY11. - In October 2010 SM-2 begins full scale engineering development of X-Band JUWL capability and limited implementation of interrupted continuous wave illumination (ICWI) functionality. - SM-2 PDR for JUWL is planned for third quarter FY11. - Integration Testing and datalink qualification for JUWL testing 2012 		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604366N: Standard Missile Improvements				PROJECT 0439: Standard Missile Improvement						
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Design and Analysis1	SS/CPAF	RAYTHEON:Tucson, AZ	195.432	25.044	Dec 2010	16.848	Nov 2011	-		16.848	Continuing	Continuing	Continuing	
Design and Analysis2	C/CPFF	JHU/APL:Laurel, MD	3.750	-		-		-		-	0.000	3.750		
Design and Analysis3	MIPR	MIT/Lin Lab:Lexington, MA	0.050	-		-		-		-	0.000	0.050		
Design and Analysis4	WR	NSWC:Dahlgren	787.314	-		-		-		-	0.000	787.314		
Design and Analysis5	WR	NSWC:Indian Head	0.940	-		-		-		-	0.000	0.940		
Design and Analysis6	WR	NAWC:China Lake	3.030	-		-		-		-	0.000	3.030		
Design and Analysis7	Various	LOCKHEED MARTIN:Moorestown, NJ	17.775	-		-		-		-	0.000	17.775		
Design and Analysis8	WR	CNO:Washington, DC	0.010	-		-		-		-	0.000	0.010		
Design and Analysis9	WR	CMDP:Phoenix, AZ	4.795	-		-		-		-	0.000	4.795		
Design and Analysis11	WR	NSWC:Crane	0.257	-		-		-		-	0.000	0.257		
Design and Analysis12	WR	DOI&CNAP:Washington, DC	0.487	-		-		-		-	0.000	0.487		
Design and Analysis13	WR	COMPTEVFOR:Norfolk, VA	0.100	-		-		-		-	0.000	0.100		
Design and Analysis14	C/CPFF	LOCKHEED MARTIN:Moorestown, NJ	2.000	-		-		-		-	0.000	2.000		
Design and Analysis15	WR	CARDEROCK:Bethesda, MD	0.050	-		-		-		-	0.000	0.050		
Design and Analysis16	WR	NWAS:Corona	0.325	-		-		-		-	0.000	0.325		
Design and Analysis17	C/CPFF	CORVID:Moorestville, NC	0.100	-		-		-		-	0.000	0.100		
Design and Analysis18	C/CPFF	BAE:Rockville, MD	0.101	-		-		-		-	0.000	0.101		
Design and Analysis19	MIPR	MDA:Dahlgren,VA	1.257	-		-		-		-	0.000	1.257		
Design and Analysis20	WR	IWS3D:ARLINGTON, VA	-	1.000	Nov 2010	0.490	Nov 2011	-		0.490	0.000	1.490		
Subtotal			1,017.773	26.044		17.338		-		17.338				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>				PROJECT 0439: <i>Standard Missile Improvement</i>					

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEVELOPMENTAL TEST & EVALUATION1	WR	NSWC:Port Hueneme	0.185	-		-		-		-	0.000	0.185	
DEVELOPMENTAL TEST & EVALUATION2	WR	WSMR:New Mexico	1.600	-		-		-		-	0.000	1.600	
DEVELOPMENTAL TEST & EVALUATION3	WR	NAWC:Pt Mugu	0.098	-		-		-		-	0.000	0.098	
DEVELOPMENTAL TEST & EVALUATION4	WR	PMRF:Hawaii	0.338	-		-		-		-	0.000	0.338	
DEVELOPMENTAL TEST & EVALUATION5	WR	NSWC:PHD/Techrep	0.567	-		-		-		-	0.000	0.567	
Subtotal			2.788	-		-		-		-	0.000	2.788	

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CONTRACTOR ENGINEERING SUPPORT	C/CPAF	VARIOUS:VARIOUS	1.993	-		-		-		-	0.000	1.993	
PROGRAM MANAGEMENT SUPPORT	C/CPAF	VARIOUS:VARIOUS	2.294	-		-		-		-	0.000	2.294	
TRAVEL	Allot	IWS3:Arlington, VA	0.056	0.010	Feb 2011	0.010	Nov 2011	-		0.010	0.000	0.076	
Subtotal			4.343	0.010		0.010		-		0.010	0.000	4.363	

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	1,024.904	26.054		17.348		-		17.348			

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604366N: Standard Missile Improvements				PROJECT 3092: Standard Missile 6 Program			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3092: Standard Missile 6 Program	120.371	70.132	29.357	-	29.357	17.251	6.180	3.960	4.146	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
<p>This program leverages existing missile technology and advanced missile technology. It aligns missile technology roadmaps across the Services (NAVSEA, NAVAIR, USAF, USMC and USA) and missile variants within the Services, taking advantage of the Navy's investment in the AEGIS Weapon System (AWS), CEC, and airborne early warning systems. This missile will provide an extended range engagement capability to provide the air superiority and the umbrella of protection for joint U.S. forces and allies against the full spectrum of manned-fixed and rotary-wing aircraft, unmanned aerial vehicles, and land attack and anti-ship cruise missiles in flight, thereby contributing to the continuous protection of forward deployed ground maneuver forces as well as theater rear assets as discussed in the Joint TAMD MNS, DPG, QDR, TAMD Capstone Requirements Document, Forward From the Sea, Joint Vision 2010/2020, the 2002/2003 Naval Transformational Roadmap and the Operational Requirements Document for SM-6 BLK 1.</p> <p>This project addresses the Navy's requirement for an extended range area air defense missile with engage-on-remote and over-the-horizon capability as the enabler for USN and Joint integrated fire control. The SM-6 BLK 1 is the Navy's transformational enabler for the Sea Shield Operational Concept and enables the opportunity for Sea Basing and Sea Strike. This effort includes risk reduction, System Development and Demonstration (SD&D) design, insensitive munitions improvement, transition to production and operational test of the latest STANDARD Missile with the kinematic performance to defeat current and projected threats that possess low altitude, high altitude, and high velocity and maneuver characteristics at the max kinematic range of the missile. SM-6 is currently executing the DT/OT flight test phase of the SD&D effort.</p> <p>The Joint Integrated Fire Enhancement funding is JROC directed for the demonstration of the Joint Land Attack Elevated Netted Sensor (JLENS) into the Naval Integrated Fire Control-Counter Air (NIFC-CA) kill chain; specifically, SM-6 integration with the JLENS and the AEGIS Weapon System (AWS). The funding identified in this budget is part of an integrated funding package that also includes funding for PEO IWS 1.0, PEO IWS 6.0, PEO IWS 7.0 and the Army's Cruise Missile Defense Systems JLENS Product Office. Additional funding is to support the integration, test, and analysis of the NIFC-CA test and evaluation strategy. Funds are also included for the transition of technology associated with the Missile Defense/Sea Shield Naval Interceptor Improvements (NII) Future Naval Capability (FNC) as formally signed in the NII Technology Transition Agreement (TTA) by PEO IWS 3, OPNAV N86, and the Office of Naval Research (PMR-51).</p>											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Joint Integrated Fire Enhancement								2.581	4.579	2.862	
Articles:								0	0	0	
Description: Joint Integrated Fire Enhancement											

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
FY 2010 Accomplishments: Initial scenario and test planning development and integration and test efforts.				
FY 2011 Plans: Scenario and test planning development and integration and test activities and end-to-end scenario test predictions.				
FY 2012 Plans: Support Pair-wise testing between SM-6 and JLENS, conduct Captive Flight Test (CFT) with JLENS in Integrated Fire Control (IFC) Kill Chain, support SM-6: 6 degrees of freedom (DoF) accreditation, pre-flight analysis for JLENS IFC Live Fire Event and post-flight analysis for JLENS IFC Live Fire Event.				
Title: SM 6 Missile Development Articles:		99.294 0	52.017 0	14.189 0
Description: Missile Development				
FY 2010 Accomplishments: GTV-3; DT/OT Flight Test execution at Pacific Missile Range Facility (PMRF); 2 successful flight tests.				
FY 2011 Plans: DT/OT completion (3 flight tests planned) and 12 OT Flight Tests planned and analysis; Runs For Record M&S completed; DT/OT-IIIA FOT&E preparation. Advanced Capability Build 12 (ACB 12) and Combat Systems Engineering Development Site (CSEDS) integration and test; Captive Carry Flight Test.				
FY 2012 Plans: Continue (ACB 12) and (CSEDS) integration and test; Continue Captive Carry Flight Test; Integrated Fire Control (IFC) integration and test; Complete DT/OT-IIIA.				
Title: Insensitive Munitions (IM) Articles:		5.200 0	1.000 0	1.000 0
FY 2010 Accomplishments: FY10: Perform (4) Slow Cook Off (SCO) tests: 1) Ballistic Barrier stops at first article, 2) MK-72 stops at proof/burst testing, 3) DTRM stops after pathfinder.				
FY 2011 Plans: Continued testing and analysis.				
FY 2012 Plans:				

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010		FY 2011		FY 2012	
Follow-on Test analysis.													
Title: SM6 OT&E Support								-		8.431		7.746	
Articles:										0		0	
FY 2011 Plans: This effort will complete activities related to the SM-6 OT Flight Testing and analyzing test results to support COMPTEVFOR. Preparation for DT/OT-IIIA.													
FY 2012 Plans: This effort will complete activities related to SM-6 FOT&E (DT/OT-IIIA) testing and analysis.													
Title: SM6/AWS & VLS Integration								13.296		4.105		3.560	
Articles:								0		0		0	
Description: SM6/AWS & VLS Integration													
FY 2010 Accomplishments: AEGIS Weapons System and MK 41 Vertical Launch Integration of SM-6 legacy.													
FY 2011 Plans: AEGIS Weapons System and MK 41 Vertical Launch Integration of SM-6 IFC mode to ACB12.													
FY 2012 Plans: AEGIS Weapons System and MK 41 Vertical Launch Integration of SM-6 IFC mode to ACB12.													
Accomplishments/Planned Programs Subtotals								120.371		70.132		29.357	
C. Other Program Funding Summary (\$ in Millions)													
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost		
• WPN 2234: Standard Missile	90.734	285.977	420.324	0.000	420.324	542.742	581.361	654.383	731.175	2,078.650	5,503.817		
D. Acquisition Strategy													
The Navy awarded a contract for SM-6 development, design, testing, production and support (including spares) to Raytheon using other than full and open competition pursuant to the authority of 10 U.S.C. 2304(c)(1).													
The active seeker guidance section for the SM-6 will be built in a joint production facility with the Advance Medium Range Air to Air Missile (AMRAAM).													

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<p>The remainder of the SM-6 AUR components will be produced in existing production facilities that are currently producing other variants of the STANDARD missile.</p> <p>No new facilities will be required for SM-6 production, and existing equipment will be used whenever possible.</p> <p>No source other than Raytheon is capable of producing a shipboard BLK 1 missile within the Navy's schedule.</p> <p>SM-6 Acquisition Strategy signed by OSD AT&L 3 March 2004.</p> <p><u>E. Performance Metrics</u></p> <p>Accomplishments</p> <ul style="list-style-type: none"> - SM-6 PABT WSESRB Executive Board - 12 May 09 - ASN (RDA) Gate 6 - 14 May 09 - ASN (RDA) OIPT - 2 Jun 09 - ASN (RDA) DAB - 29 Jul 09 - CTV-1A Flight Test - 28 Aug 09 - FY09 LRIP Lot Not to Exceed (NTE) Letter Contract Award - 4 Sep 09 - DT/OT SSSTRP - 7 Dec 09 - DT/OT WSESRB - 16 Dec 09 - GTV-3 Flight Test - 11 Jan 10 - DT/OT TRR - Feb 10 - OIPT (Cost Certification) - Mar 10 - DAB (Cost Certification) - Mar 10 - DT/OT Flight Tests @ PMRF - May 10 - FY09 LRIP NTE Definitization - 1 Jul 10 - FY10 LRIP Option I Contract Award - 1 Jul 10 <p>SM-6 SD&D Contract SPI is currently at 0.992 and CPI is at 0.998</p> <p>Upcoming Milestones</p> <ul style="list-style-type: none"> - DT/OT Flight Tests @ PMRF - Jan 11 - OT TRR - Jun 11 - OT Flight Tests at PMRF - Jul 11 - OT IIIA - Apr 12 - Dec 13 - Integrated Fire Control (IFC) Apr 12 - Mar 14 - LRIP Option II Contract Award - Mar 11 		

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1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				PE 0604366N: Standard Missile Improvements				3092: Standard Missile 6 Program						
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Design & Analysis	C/CPIF	RAYTHEON:Tucson, AZ	633.500	14.730	Feb 2011	11.937	Dec 2011	-		11.937	0.000	660.167		
Design & Analysis	C/CPFF	JHU/APL:Laurel MD	37.922	4.186	Feb 2011	0.800	Nov 2011	-		0.800	0.000	42.908		
Design & Analysis	MIPR	MIT/Lin Lab:Lexington, MA	0.550	-		-		-		-	0.000	0.550		
Design & Analysis	WR	NAWC:China Lake	3.207	0.078	Nov 2010	-		-		-	0.000	3.285		
Design & Analysis	WR	NSWC:Dahlgren	8.837	1.008	Nov 2010	0.075	Nov 2011	-		0.075	0.000	9.920		
Design & Analysis	WR	NSWC:Indian Head	3.261	0.030	Nov 2010	-		-		-	0.000	3.291		
Design & Analysis	WR	NSWC:PHD	7.596	1.416	Nov 2010	-		-		-	0.000	9.012		
Design & Analysis	WR	NSWC:Crane	1.041	0.150	Nov 2010	-		-		-	0.000	1.191		
Design & Analysis	MIPR	JSPO:Eglin AFB	22.722	1.000	Nov 2010	-		-		-	0.000	23.722		
Design & Analysis	C/CPFF	LOCKHEED Martin:Moorestown, NJ	5.794	-		-		-		-	0.000	5.794		
Design & Analysis	WR	NSWC:Corona	15.938	0.621	Nov 2010	-		-		-	0.000	16.559		
Design & Analysis	Reqn	ONR:Arlington, VA	5.150	-		-		-		-	0.000	5.150		
Design & Analysis	Reqn	NRL:Washington, DC	0.090	-		-		-		-	0.000	0.090		
Design & Analysis	WR	COMPTEVFOR:Norfolk, VA	1.905	0.250	Nov 2010	-		-		-	0.000	2.155		
Design & Analysis	WR	CARDEROCK:Philadelphia, PA	2.349	0.200	Nov 2010	-		-		-	0.000	2.549		
Design & Analysis	WR	NSWC:Pt Mugu	0.613	-		-		-		-	0.000	0.613		
Design & Analysis	C/CPFF	BAE:Rockville, MD	6.446	-		-		-		-	0.000	6.446		
Design & Analysis	MIPR	ARMY:Redstone	0.050	-		-		-		-	0.000	0.050		
Design & Analysis	WR	NAWCAD:Pax River, MD	0.392	-		-		-		-	0.000	0.392		
Design & Analysis	C/CPFF	CORVID:Mooresville, NC	2.500	0.250	Mar 2011	0.250	Dec 2011	-		0.250	0.000	3.000		
Design & Analysis	C/CPFF	RNB:Arlington, VA	0.010	-		-		-		-	0.000	0.010		
Design & Analysis	WR	SPAWAR:Arlington, VA	0.007	-		-		-		-	0.000	0.007		
Design & Analysis	WR	ARMY:Cecom	0.066	-		-		-		-	0.000	0.066		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 5: Development & Demonstration (SDD)				PE 0604366N: Standard Missile Improvements				3092: Standard Missile 6 Program					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Design & Analysis	C/FP	GENERAL DYNAMICS:Falls Church, VA	1.660	-		-		-		-	0.000	1.660	
Design & Analysis	WR	VARIOUS:(IWS 1A)	52.713	7.060	Dec 2010	3.000	Nov 2011	-		3.000	0.000	62.773	
Design & Analysis	WR	VARIOUS:(VLS)	23.711	1.061	Nov 2010	0.560	Nov 2011	-		0.560	0.000	25.332	
Subtotal			838.030	32.040		16.622		-		16.622	0.000	886.692	
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	NSWC:Port Hueneme	0.200	0.200	Jan 2011	0.200	Nov 2011	-		0.200	0.000	0.600	
Developmental Test & Evaluation	WR	NSWC:WSMR	17.321	2.000	Jan 2011	3.000	Nov 2011	-		3.000	0.000	22.321	
Developmental Test & Evaluation	WR	PMRF:Hawaii	23.089	15.000	Jan 2011	-		-		-	0.000	38.089	
Developmental Test & Evaluation	WR	NAWC:Pt Mugu	0.769	-		-		-		-	0.000	0.769	
Developmental Test & Evaluation	C/CPAF	RAYTHEON:Tucson, AZ	-	14.242	Feb 2011	8.435	Dec 2011	-		8.435	0.000	22.677	
Developmental Test & Evaluation	C/CPFF	JHU/APL:Laurel, MD	-	1.250	Feb 2011	-		-		-	0.000	1.250	
Developmental Test & Evaluation	WR	NSWC:Corona	-	1.750	Jan 2011	0.800	Nov 2011	-		0.800	0.000	2.550	
Developmental Test & Evaluation	WR	COMPTEVFOR:Norfolk	-	0.250	Jan 2011	-		-		-	0.000	0.250	
Developmental Test & Evaluation	WR	NSWC:Dahlgren	-	0.500	Jan 2011	-		-		-	0.000	0.500	
Developmental Test & Evaluation	WR	VLS:Arlington, VA	-	0.750	Jan 2011	0.300	Nov 2011	-		0.300	0.000	1.050	

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Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>	PROJECT 3092: <i>Standard Missile 6 Program</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>	PROJECT 3092: <i>Standard Missile 6 Program</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3092				
IOC/Deployment (Threshold)	4	2011	1	2012
IOC (Objective)	2	2011	2	2011
Full-Rate Production (FRP) Decision	1	2012	2	2012
Full Operational Capability (FOC)	4	2015	4	2015
WSESRB	2	2010	2	2012
Software Design/Final Qualification Test (FQT)	1	2010	3	2011
Captive Carry	1	2010	2	2011
CSEDS (ACB 12) (ACB 14)	4	2011	4	2013
DT WIT, OT WIT	1	2010	4	2010
Flight Test (GTV3)	1	2010	1	2010
Developmental Testing (DT-IIC1)	2	2010	2	2011
Developmental Testing (DT-IIC2/OT-[1-3])	2	2010	2	2011
Operational Testing (OT-[4-15 & 2 Spares])	4	2011	4	2011
OT IIIA	3	2012	1	2013
Integrated Fire Control (IFC)	3	2012	2	2014
Low-Rate Production I (Definitization)	4	2010	4	2010
Low-Rate Initial Production II (LRIP II Award)	4	2010	4	2010
Low-Rate Initial Production III (LRIP III Award)	2	2011	2	2011
Low-Rate Initial Production I Delivery	2	2011	3	2012
Low-Rate Initial Production II Delivery	3	2012	1	2013
Low-Rate Initial Production III Delivery	2	2013	1	2014

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>	PROJECT 3092: <i>Standard Missile 6 Program</i>	

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Full Rate Production (FRP) I-IV Award	2	2012	2	2015
Full Rate Production I (FRP) Deliveries	2	2014	1	2015
Full Rate Production II (FRP) Deliveries	2	2015	1	2016
Full Rate Production III (FRP) Deliveries	2	2016	4	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>				PROJECT 9999: <i>Congressional Adds</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
9999: <i>Congressional Adds</i>	0.797	-	-	-	-	-	-	-	-	0.000	0.797
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification
 Automated Missile Tracking will evaluate a multitude of Radio Frequency Identification (RFID) passive devices to ensure that safe implementation is possible aboard a US Navy combatant.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2010	FY 2011
Congressional Add: Automated Missile Tracking	0.797	-
FY 2010 Accomplishments: FY10: To provide maintenance history, inventory tracking and environmental exposure monitoring.		
Congressional Adds Subtotals	0.797	-

C. Other Program Funding Summary (\$ in Millions)
 N/A

D. Acquisition Strategy
 N/A

E. Performance Metrics
 Congressional Add.